



CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-27521059 Fax: +86-755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

Appendix for LTE band 12

**Applicant: HONGKONG UCLOUDLINK NETWORK
TECHNOLOGY LIMITED**

Address: Suite 603, 6/F, Laws Commercial Plaza, 788

Cheung Sha Wan Road, Kowloon, Hong Kong

Product Name: 5G Wireless Data Terminal

Model: GLMU21A01

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.82	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.79	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.83	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.93	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.90	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.78	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.94	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.88	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.93	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.84	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.75	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.80	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.81	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.68	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.75	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.74	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.66	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.84	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.83	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.78	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.84	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.84	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.81	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.68	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	24.89	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	24.89	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	24.85	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.99	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.74	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.81	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.83	PASS

Band12	1.4MHz	16QAM	23095	3RB#0	24.80	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	24.83	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	24.76	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.76	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.64	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.63	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.51	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	24.86	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	24.80	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	24.80	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.84	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.84	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.83	PASS
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Band12	3MHz	QPSK	23025	8RB#0	23.99	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.98	PASS
Band12	3MHz	QPSK	23025	8RB#7	24.11	PASS
Band12	3MHz	QPSK	23025	15RB#0	24.02	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.94	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.95	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.86	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.81	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.80	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.73	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.92	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.83	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.81	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.79	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.69	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.76	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.67	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.84	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.99	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.92	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.95	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.88	PASS
Band12	3MHz	16QAM	23025	8RB#4	24.06	PASS

Band12	3MHz	16QAM	23025	8RB#7	23.93	PASS
Band12	3MHz	16QAM	23025	15RB#0	23.05	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.79	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.86	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.75	PASS
Band12	3MHz	16QAM	23095	8RB#0	23.87	PASS
Band12	3MHz	16QAM	23095	8RB#4	23.92	PASS
Band12	3MHz	16QAM	23095	8RB#7	23.71	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.70	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.72	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.64	PASS
Band12	3MHz	16QAM	23165	8RB#0	23.58	PASS
Band12	3MHz	16QAM	23165	8RB#4	23.74	PASS
Band12	3MHz	16QAM	23165	8RB#7	23.62	PASS
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Band12	5MHz	QPSK	23035	1RB#24	24.91	PASS
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Band12	5MHz	QPSK	23155	1RB#24	24.69	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.91	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.85	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.89	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.85	PASS

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Band12	5MHz	16QAM	23035	1RB#24	23.90	PASS
Band12	5MHz	16QAM	23035	12RB#0	23.95	PASS
Band12	5MHz	16QAM	23035	12RB#6	23.99	PASS
Band12	5MHz	16QAM	23035	12RB#13	23.88	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.97	PASS
Band12	5MHz	16QAM	23095	1RB#0	24.07	PASS
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Band12	5MHz	16QAM	23095	1RB#24	23.98	PASS
Band12	5MHz	16QAM	23095	12RB#0	23.96	PASS
Band12	5MHz	16QAM	23095	12RB#6	23.93	PASS
Band12	5MHz	16QAM	23095	12RB#13	23.95	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.82	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.88	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.83	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.86	PASS
Band12	5MHz	16QAM	23155	12RB#0	23.87	PASS
Band12	5MHz	16QAM	23155	12RB#6	23.86	PASS
Band12	5MHz	16QAM	23155	12RB#13	23.93	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.88	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.80	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.86	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.82	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.94	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.92	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.99	PASS
Band12	10MHz	QPSK	23060	50RB#0	24.01	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.98	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.89	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.80	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.94	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.95	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.88	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.85	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.73	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.72	PASS

Band12	10MHz	QPSK	23130	1RB#49	24.64	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.84	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.81	PASS
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Band12	10MHz	16QAM	23060	1RB#49	23.92	PASS
Band12	10MHz	16QAM	23060	25RB#0	23.89	PASS
Band12	10MHz	16QAM	23060	25RB#12	23.91	PASS
Band12	10MHz	16QAM	23060	25RB#25	24.01	PASS
Band12	10MHz	16QAM	23060	50RB#0	23.01	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.80	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.83	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.71	PASS
Band12	10MHz	16QAM	23095	25RB#0	23.89	PASS
Band12	10MHz	16QAM	23095	25RB#12	23.95	PASS
Band12	10MHz	16QAM	23095	25RB#25	23.91	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.88	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.65	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.59	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.56	PASS
Band12	10MHz	16QAM	23130	25RB#0	23.83	PASS
Band12	10MHz	16QAM	23130	25RB#12	23.81	PASS
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Band12	10MHz	16QAM	23130	50RB#0	22.99	PASS

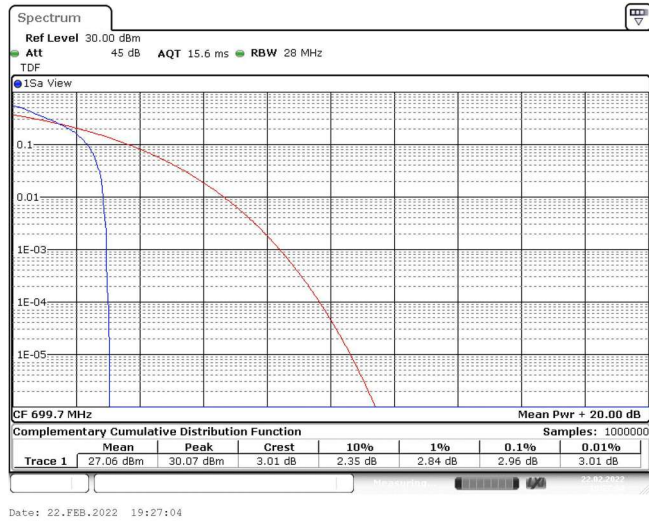
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

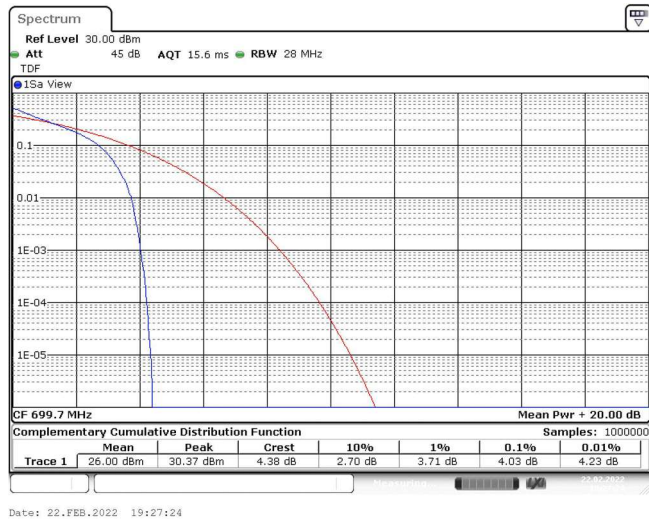
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	2.96	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.03	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3.54	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.81	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.54	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.46	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.43	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	4.96	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.10	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.71	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.04	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.42	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	2.90	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.17	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.51	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.70	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.48	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.75	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	4.35	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.04	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.22	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.71	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.93	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.62	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	2.90	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.43	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.54	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.75	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.28	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.78	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.17	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.30	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.81	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.59	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.55	13	PASS

Band12	5MHz	16QAM	23155	25RB#0	5.74	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	2.75	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.64	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.36	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.72	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.30	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.78	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	4.06	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	4.81	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.62	13	PASS
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Band12	10MHz	16QAM	23130	50RB#0	5.68	13	PASS

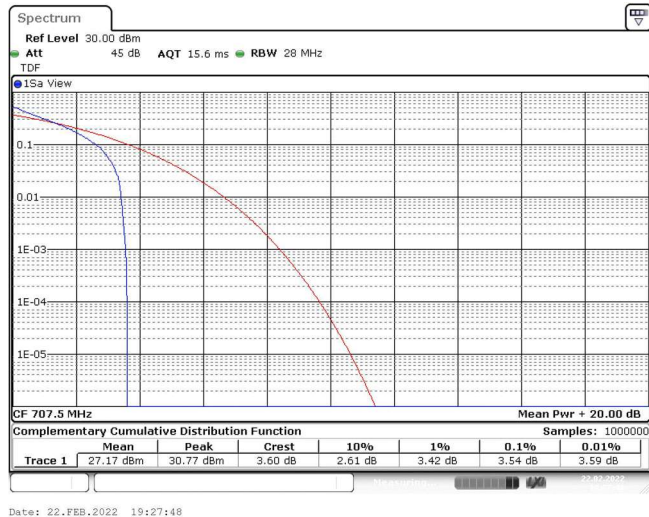
Test Graphs



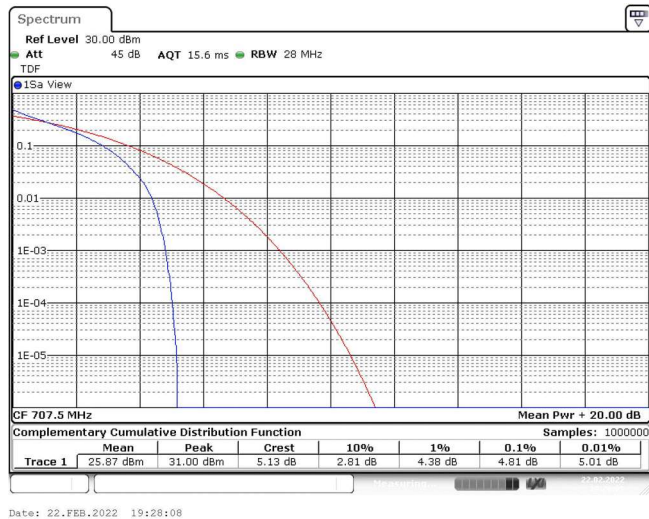
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Band12-1.4MHz-QPSK-23017-6RB#0



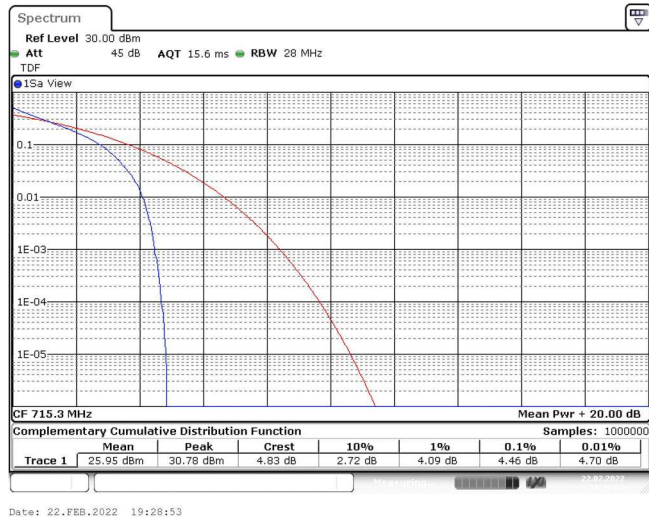
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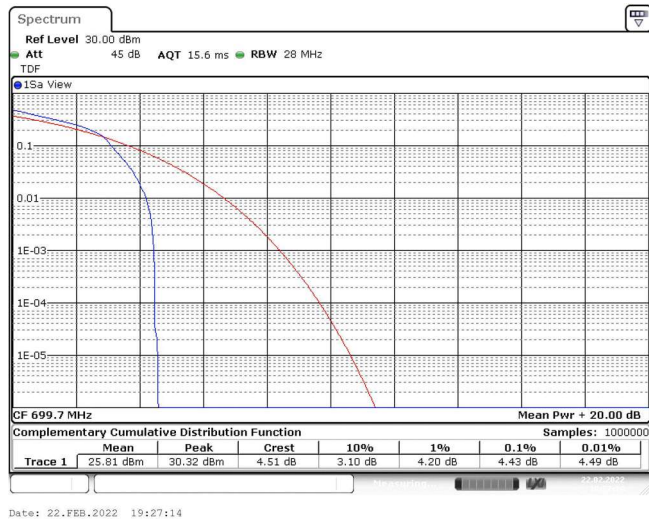
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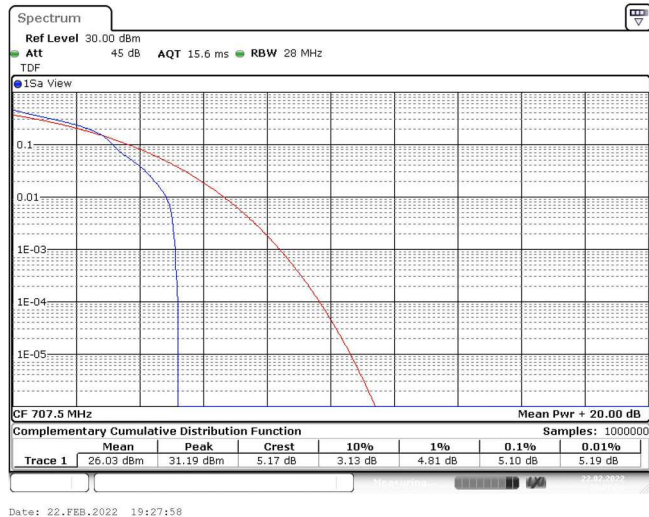
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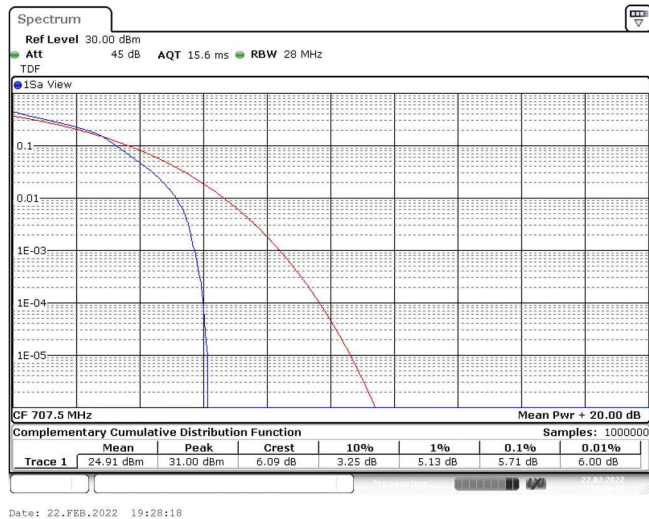
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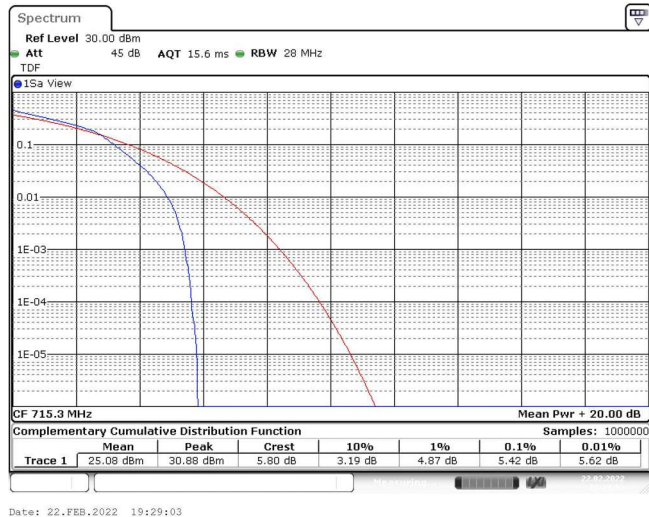
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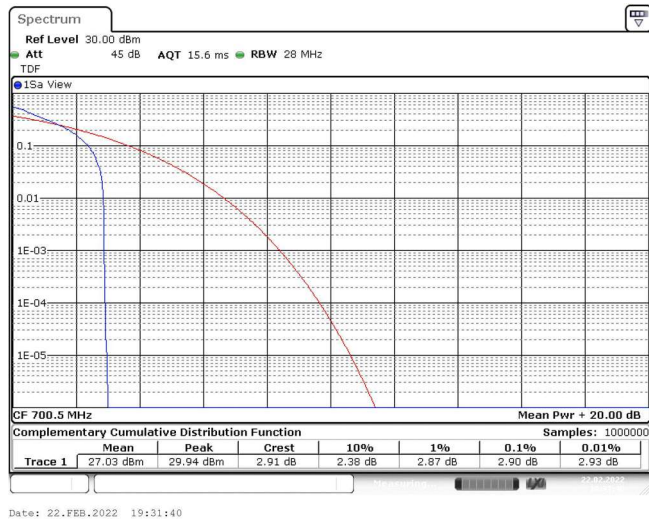
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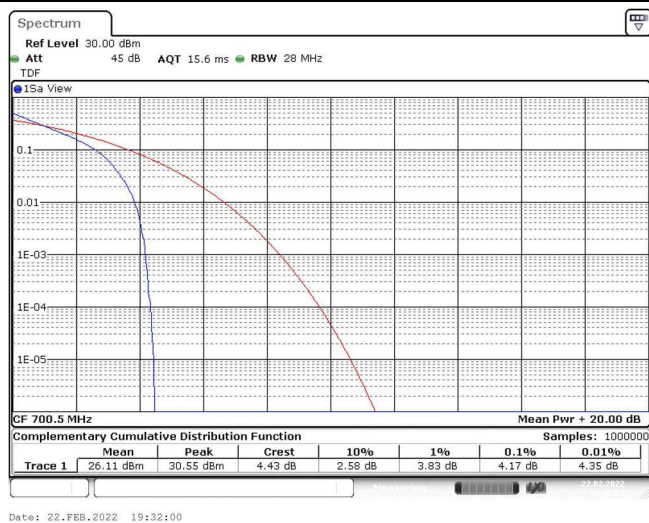
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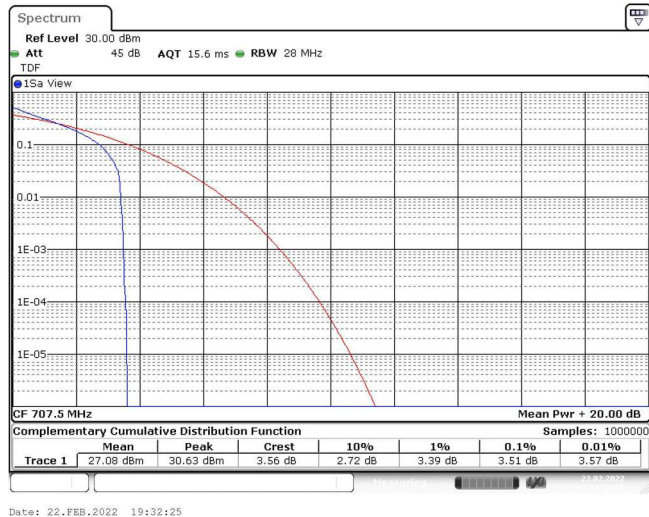
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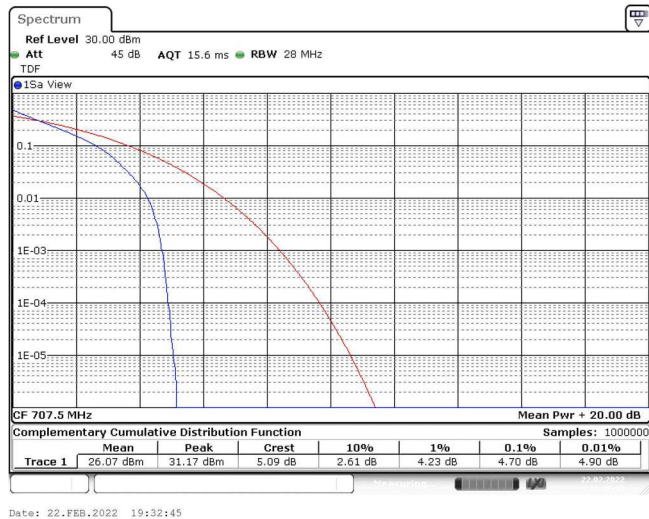
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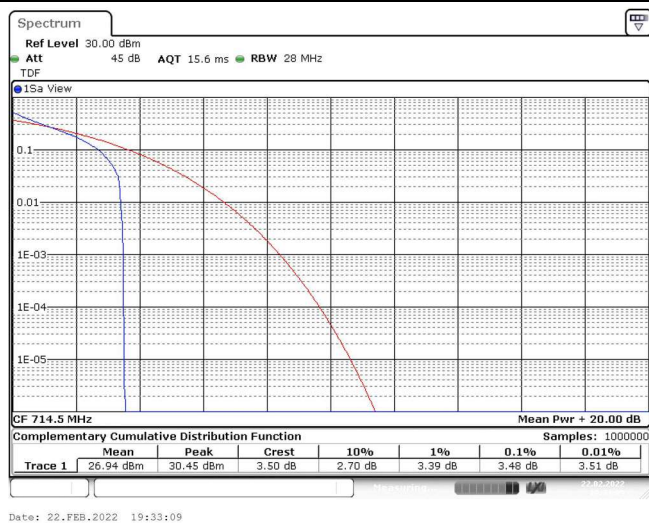
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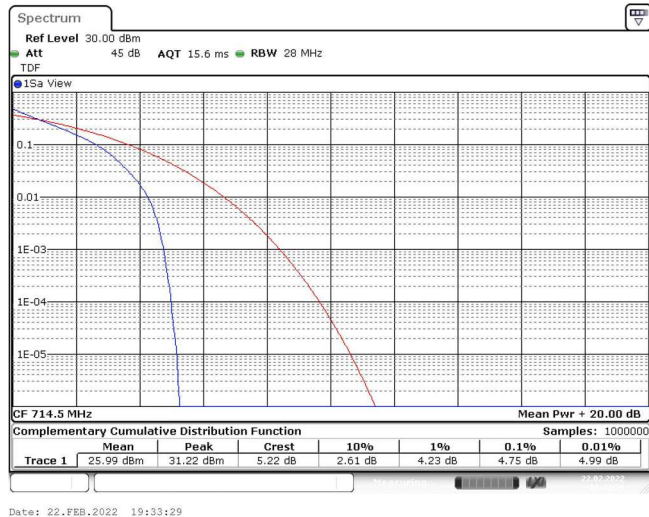
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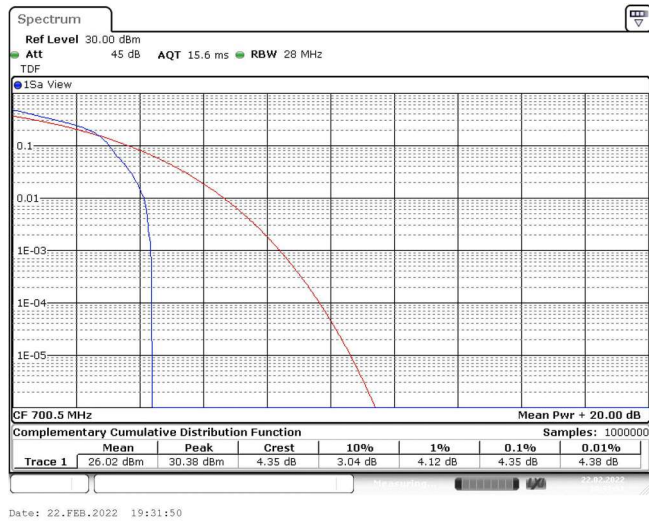
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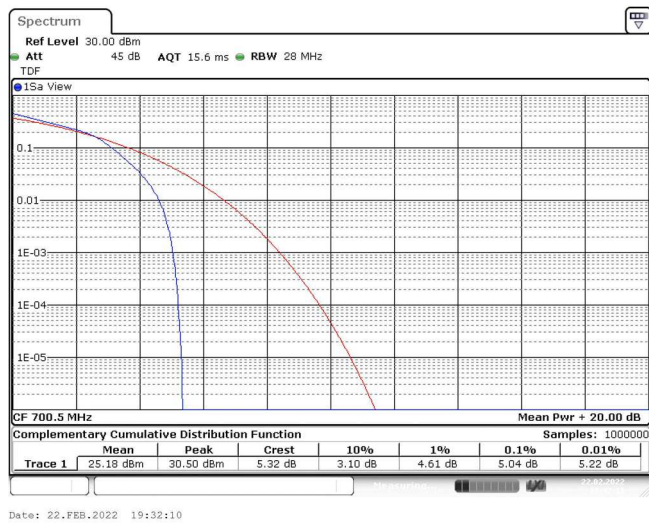
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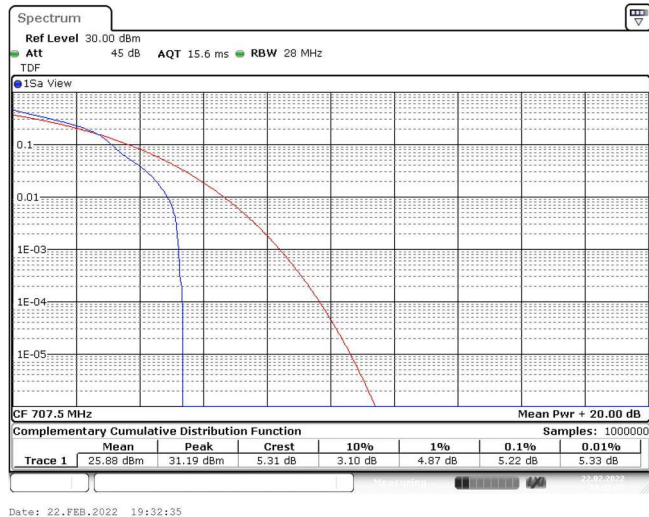
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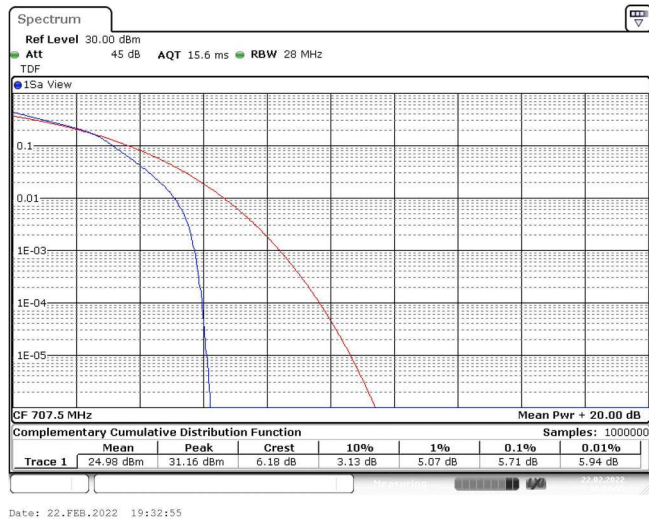
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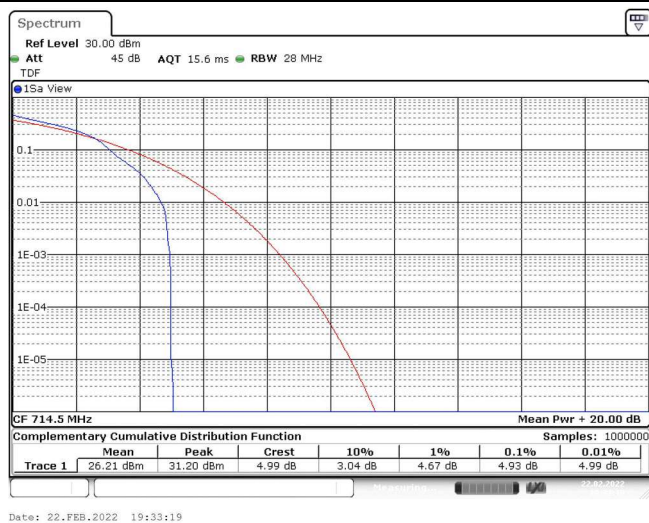
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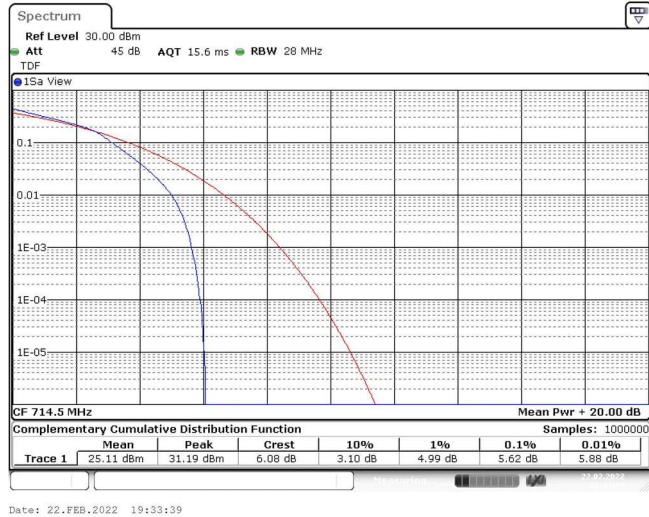
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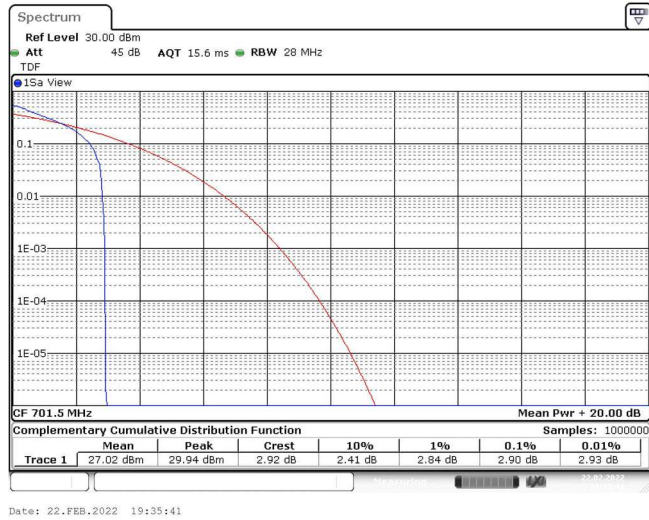
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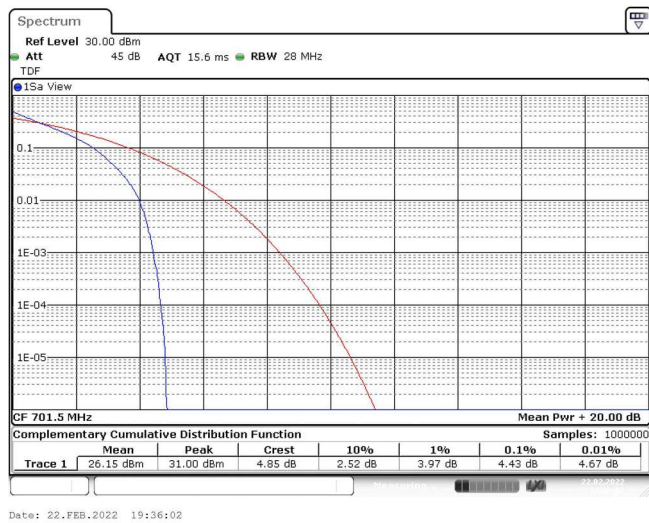
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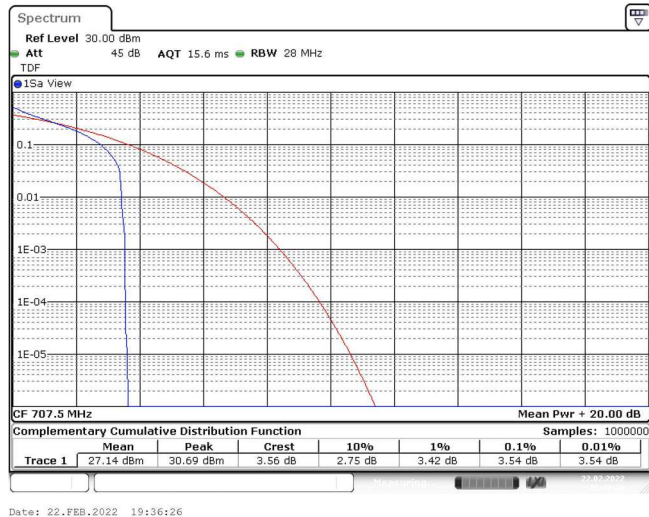
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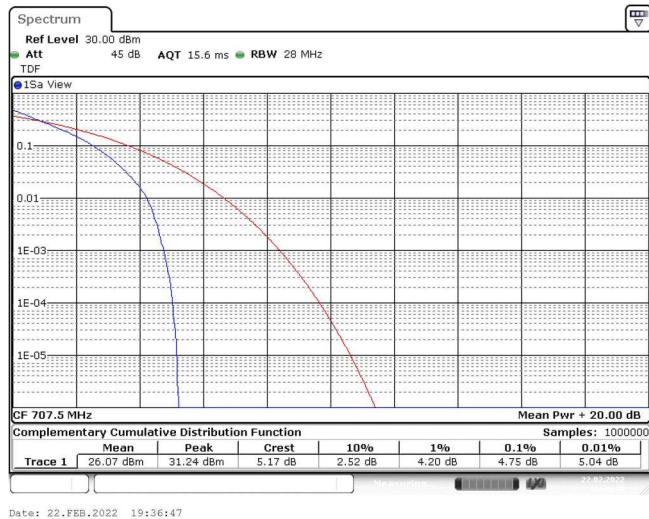
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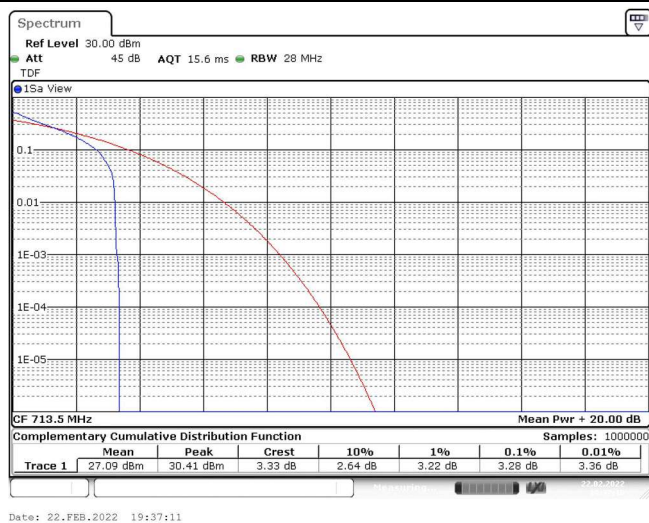
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Band12-5MHz-QPSK-23095-1RB#0



Band12-5MHz-QPSK-23095-25RB#0



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